Lower Passaic River Study Area
Information on GIS files in the data_with_duplicates.gdb Geodatabase
Anchor QEA, LLC on Behalf of the Cooperating Parties Group
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Information pertains to the point feature class: **pts_20150204_TCDD_TePCB_Hg_DupeFlag**

This file has the point data used to generate the 2010 dataset concentration interpolations. The 2010 dataset includes data sampled between 2005-2013. The surface (layer A) data correspond to the contaminant mapping methodology described in Appendix J of the February 2015 Draft LPRSA RI/FS Report. Within this file duplicates have already been averaged (There is a field showing the ids for duplicates used in the average). For subsurface date, length-weighted averages were calculated for each layer in instances where a core's segmentation scheme differed from the depth intervals used for the mapping. This file is the same as pts_20150204_TCDD_TePCB_Hg but with the addition of a field listing duplicate ids.

Relevant Fields:
STUDYID – Sampling program name from AQ database
RI_StudyID – Name of sampling program used in RI report
YEAR_ – Year sampled
LOCATIONID – Sample Location ID
DEPTHCLASS – Depth layer of interpolations (A, B, C, D, or E; Key Below)
ANL_SHORT_NAME – Contaminant name
XCOORD – x coordinate, NJ State Plane Feet
YCOORD – y coordinate, NJ State Plane Feet
RES_NGKG – Concentration, ng/kg
RIVERMILE – Approximate river mile location
GROUP_INTE – Interpolation grouping code (see below for key)
CALC_TOTALPCB – Flag for if Te-PCB value was estimated from Total PCB concentration. Used for samples where only Total PCB was reported. Value of 34% of measured Total PCB was used for Te-PCB. Value was determined from regression analysis.
Upper_Depth – Upper depth for interpolation layer, Feet
Lower_Depth – Lower depth for interpolation layer, Feet
Duplicate_samples – sample id for duplicate samples in this layer

Interpolation Grouping Key
G2 – No Deposition Since 1949
G3 – Mixed Depositional Since 1966
G4 – Highly Depositional Since 1966
LS – Left Shoal
RS – Right Shoal

NS_DN – Downstream Channel
NS_UP – Upstream Channel
SI_1 – Silt Deposit 1
SI_2 – Silt Deposit 2
SI_3 – Silt Deposit 3
SI_4 – Silt Deposit 4
SI_5 – Silt Deposit 5
SI_6_1 – Silt Deposit 6.1
SI_6_2 – Silt Deposit 6.2
SI_7 – Silt Deposit 7

"DEPTHCLASS" Key
A: 0-0.5 feet
B: 0.5-1.5 feet
C: 1.5-2.5 feet
D: 2.5-3.5 feet
E: 3.5-5.5 feet

Information pertains to the data table: **measured_conc_TCDD_Hg_PCBs_with_dups**

This file has the sediment concentration data for segments used to generate the file **pts_20150204_TCDD_TePCB_Hg** which was used for the 2010 dataset concentration interpolations. This data table includes samples and duplicates for LPR data sampled between 2005-2013.

Relevant Fields:

STUDYID – Sampling program name from AQ database
SAMPLEID – Sample id
LOCATIONID – Sample Location ID
UpperDepth – Upper depth sample, Feet
LowerDepth – Lower depth sample, Feet
DUPPARENT – sample id for parent of duplicate samples
YEAR_ – Year sampled
MONTH_ - Month sampled
DAY_ - Day sampled
CHEM_SHORT_NAME – abbreviation for COPC (see key below)
RESULT_VALUE – concentration in ng/kg
RESULTQUAL IFIER - List of qualifiers.
DETECTION_LIMIT - detection limit in ng/kg
UNCOLLAPSED_SAMPLEID – alternate sample id
SYS_LOC_CO – alternate location id

RIVERMILE – Approximate river mile location
depth_class - Depth layer of interpolations (A, B, C, D, and/or E; Key Below)

"DEPTH_CLASS" Key

A: 0-0.5 feet
B: 0.5-1.5 feet
C: 1.5-2.5 feet
D: 2.5-3.5 feet
E: 3.5-5.5 feet

"CHEM_SHORT_NAME" Key

Mercury - Mercury
pcbs_tetra – tetra-CB
tcdd2378 – 2,3,7,8 TCDD (no adjustments are made for 2008 data). Duplicate flags are available.
tcdd2378_adj - 2,3,7,8 TCDD with adjustments for 2008 data as used in the February 2015 Draft LPRSA RI/FS Report. With the exception of one study, duplicates have already been averaged with parent samples. To look up duplicates use "tcdd2378" instead.
tot_pcb_grp_c – Total PCBs. For samples without tetra-CB, tetra-CB was estimated from total PCBs using a ratio of 0.34.